

FIG. 2

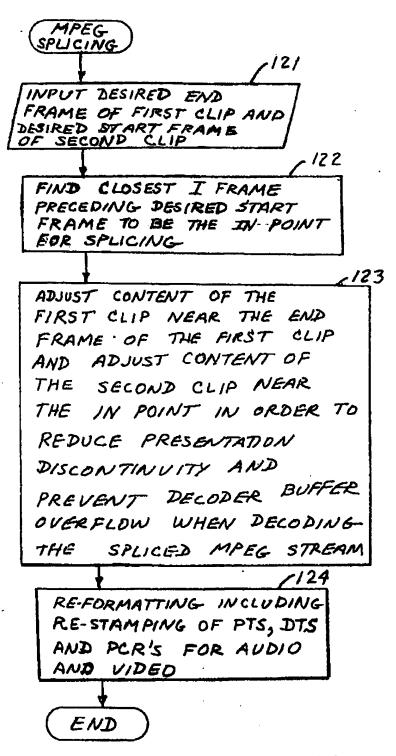
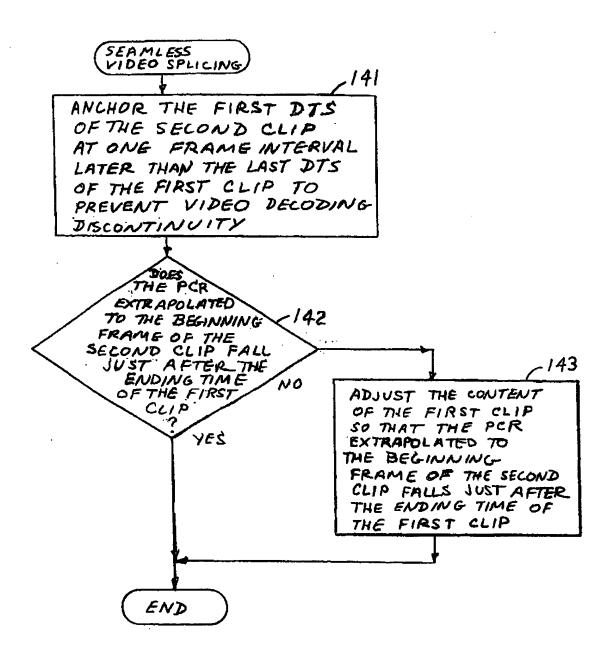


FIG. 3



F1G. 4

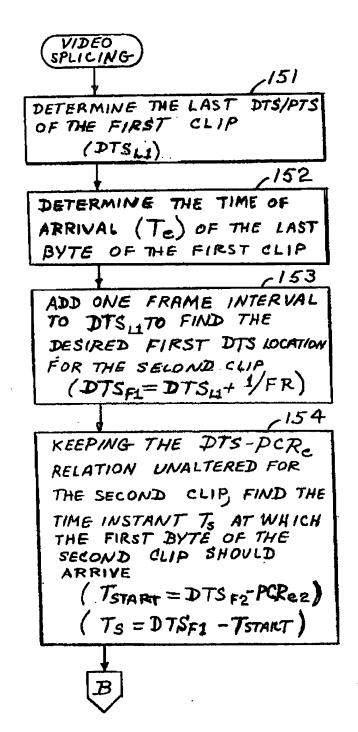
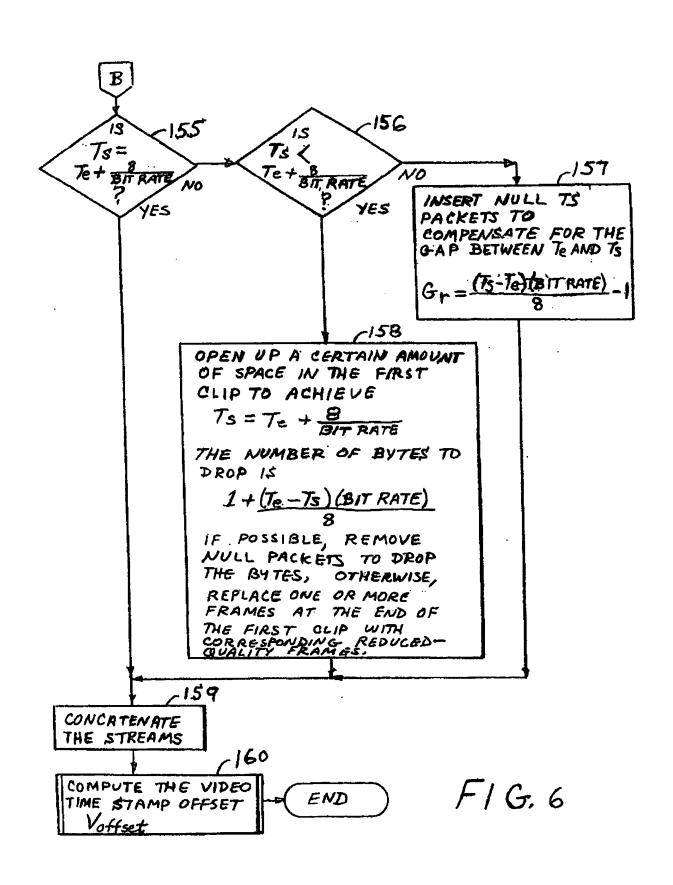
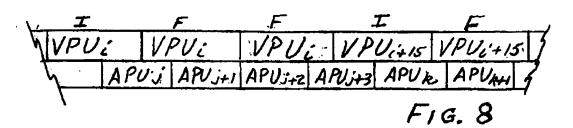
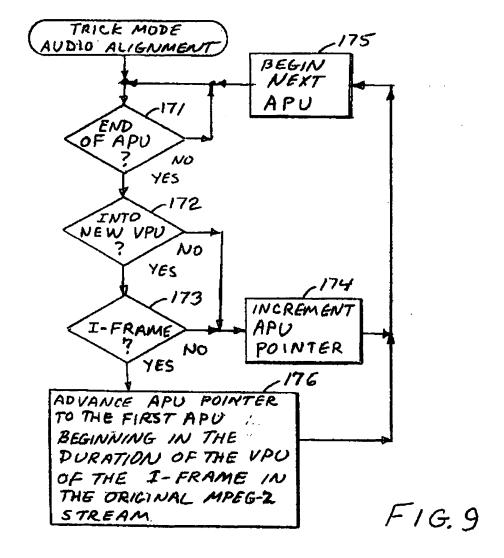


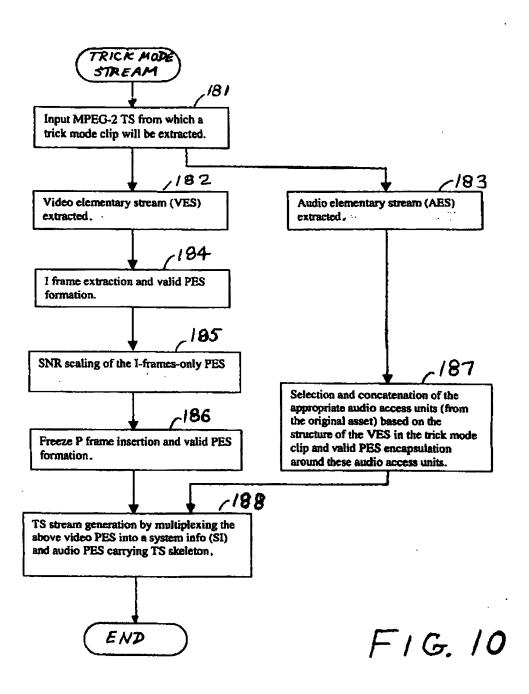
FIG. 5



	I			B	B			>		B	,
W	VPU	i	VI	Duit	VPUit	12	VP	Vits	V	Plity	17
7	\	APL	j	APUjer	VPU:-	A	PV;+3	APU	14	APUj+5	7
	1							FIC	4	7	7







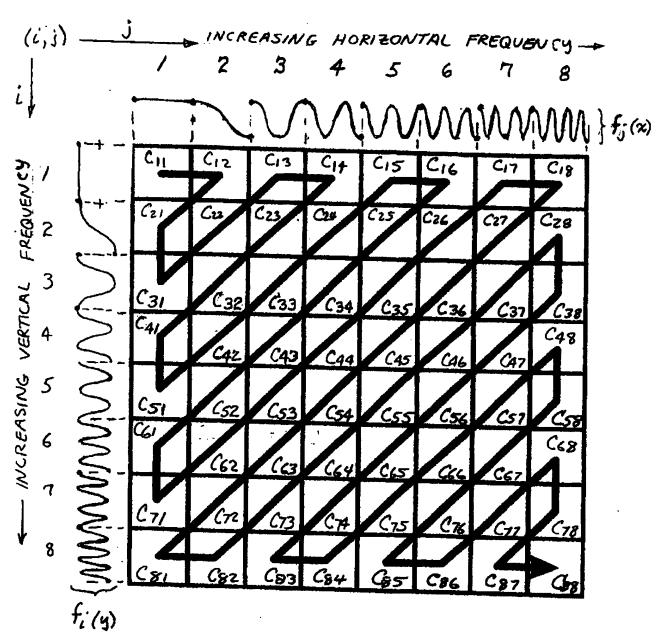
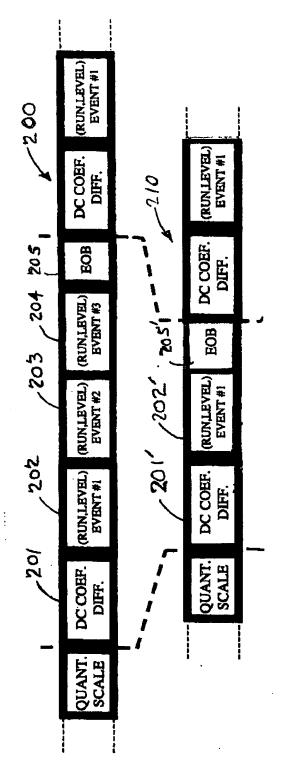
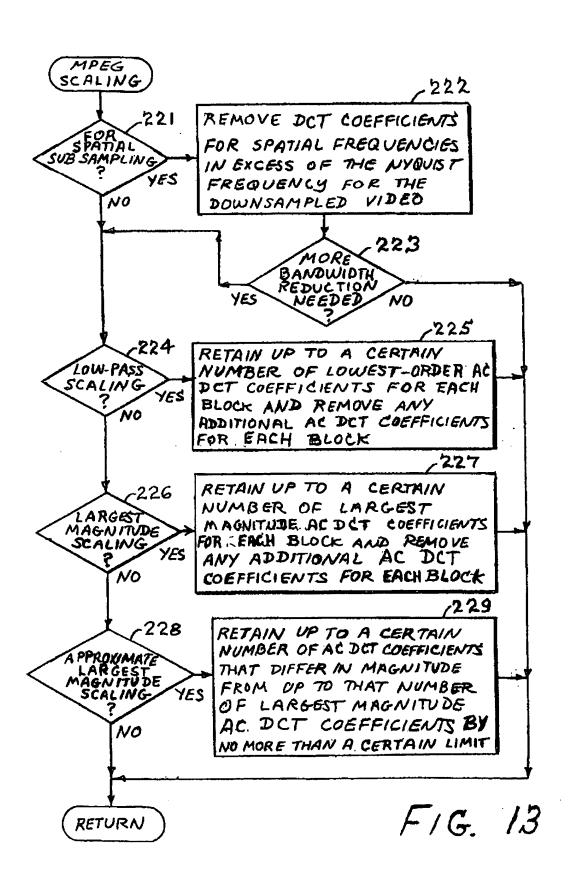
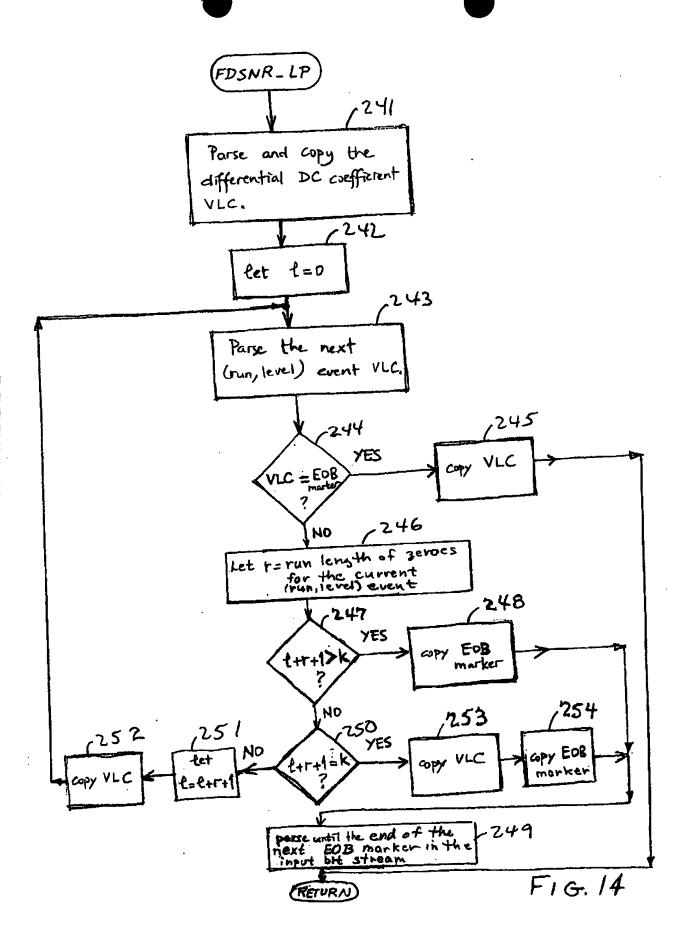


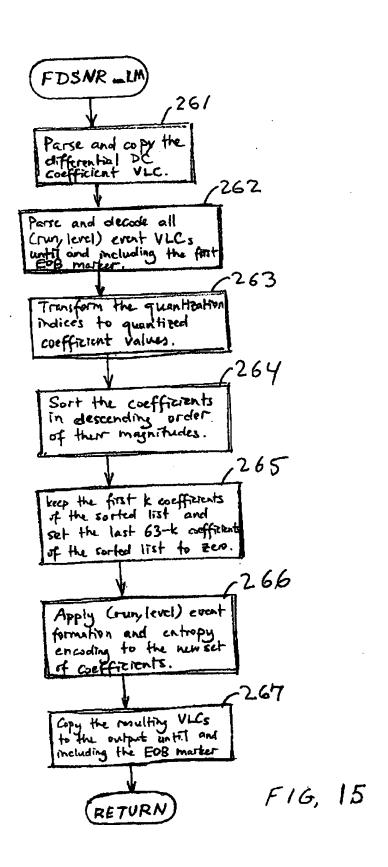
FIG. 11 (PRIOR ART)

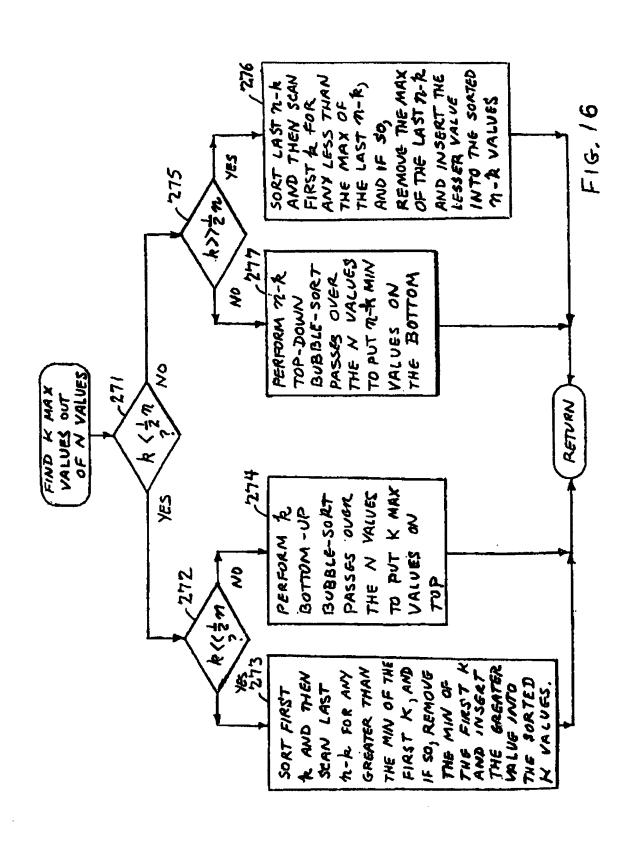


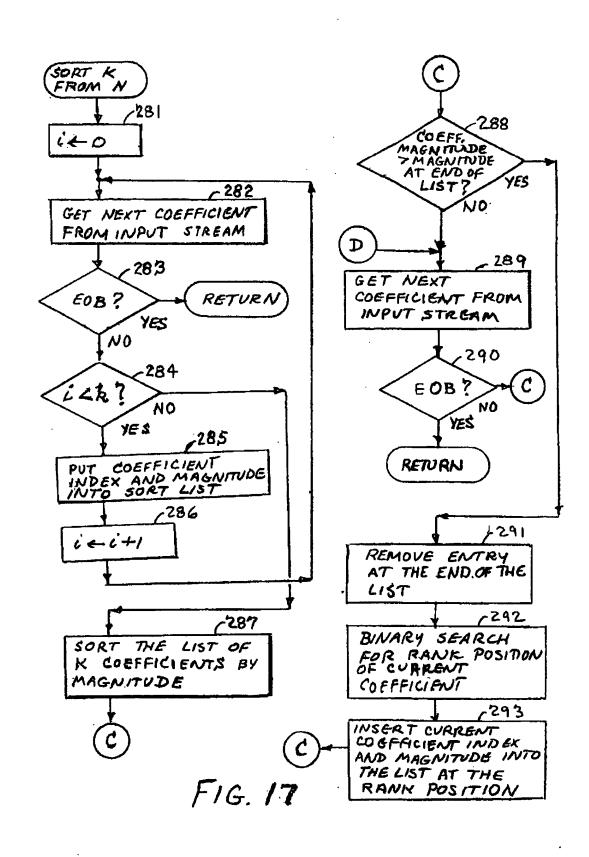
F1G. 12











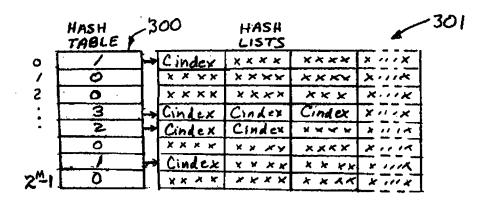


FIG. /8

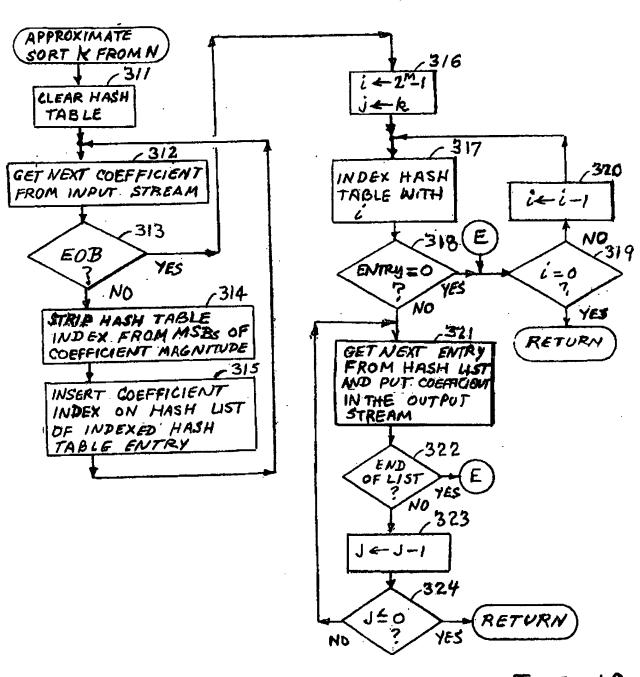
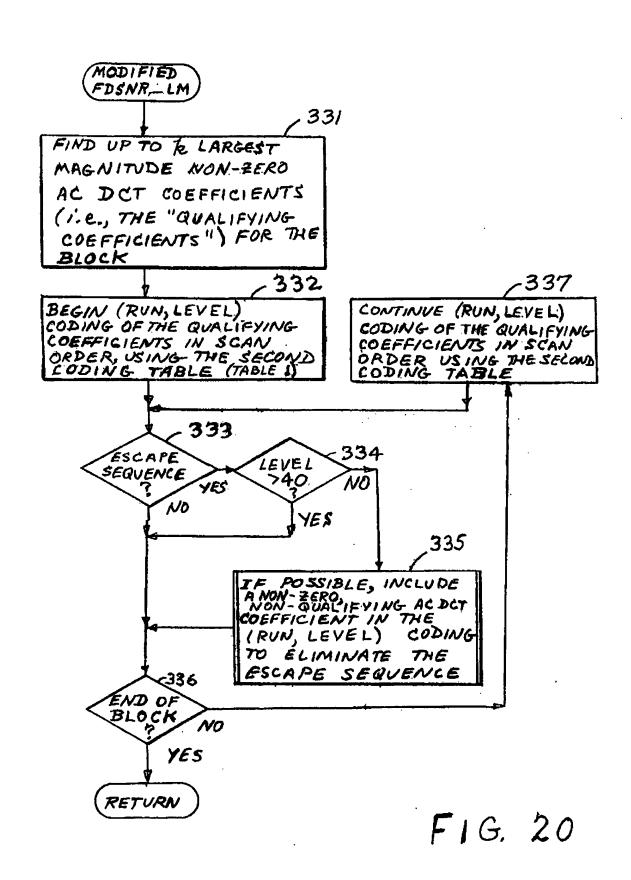
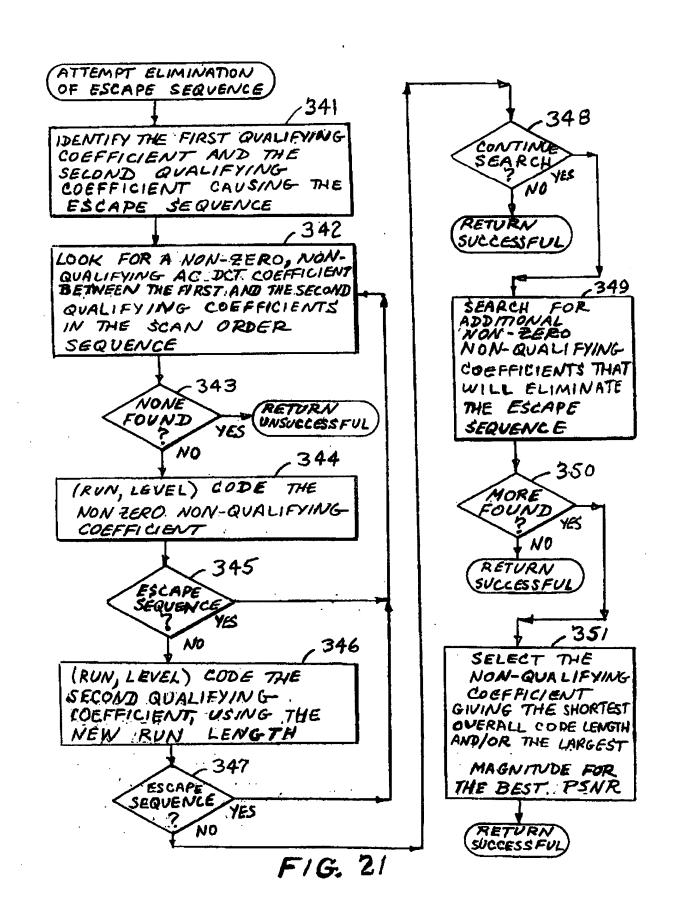
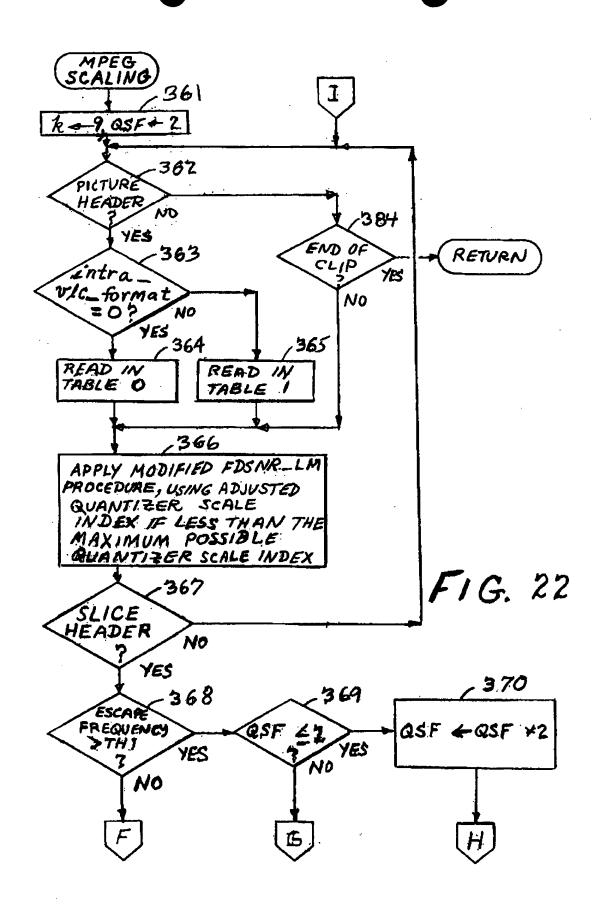
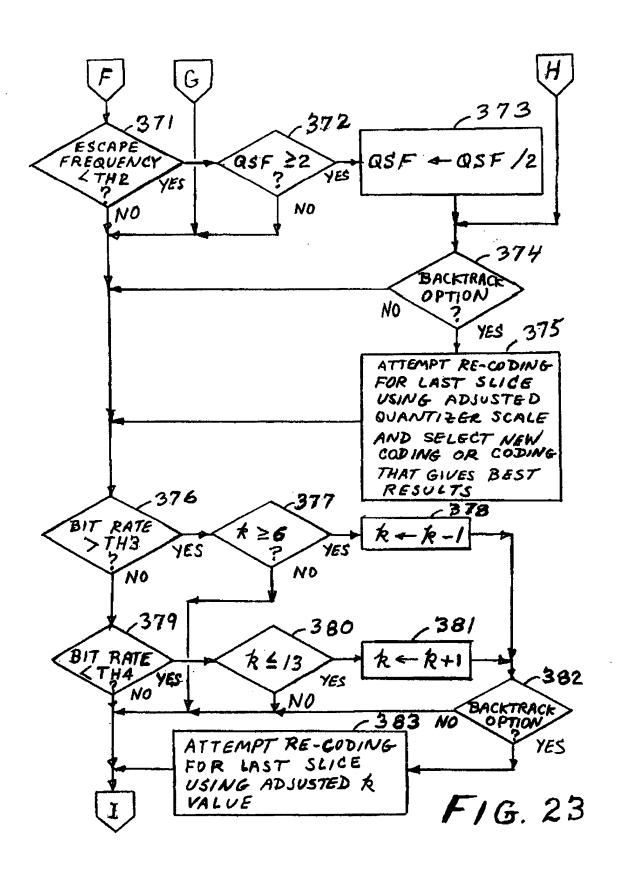


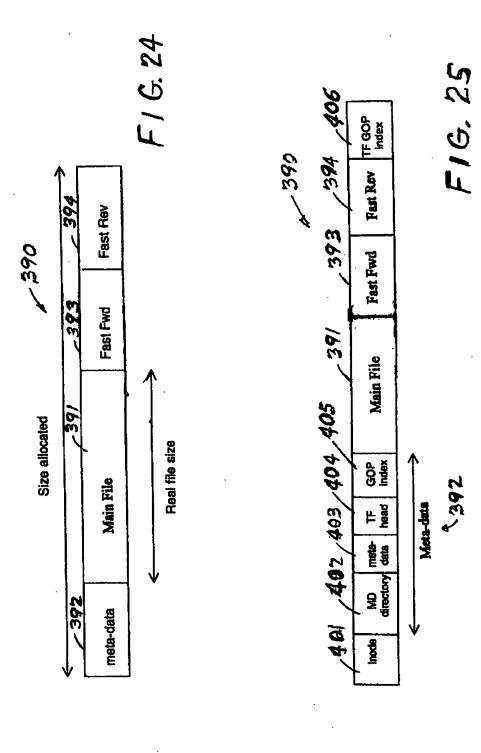
FIG. 19

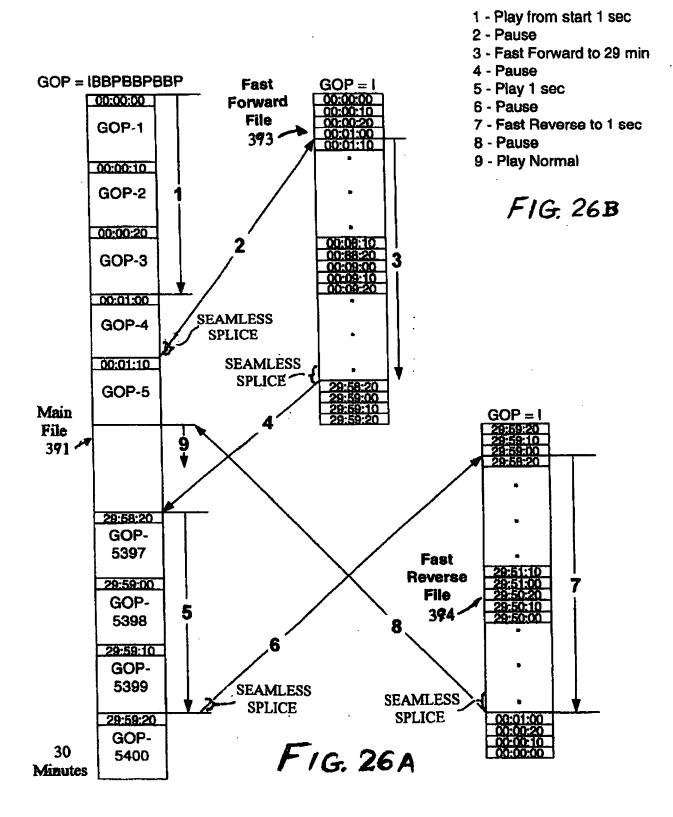












	READ	WRITE
Copy of the asset with all the data	EMPEG2	EMPEG2
Copy only the main asset	RAW	MPEG2
Archive	EMPEG2	EMPEG2
Play	MPEG2	
Record		MPEG2

FIG. 27

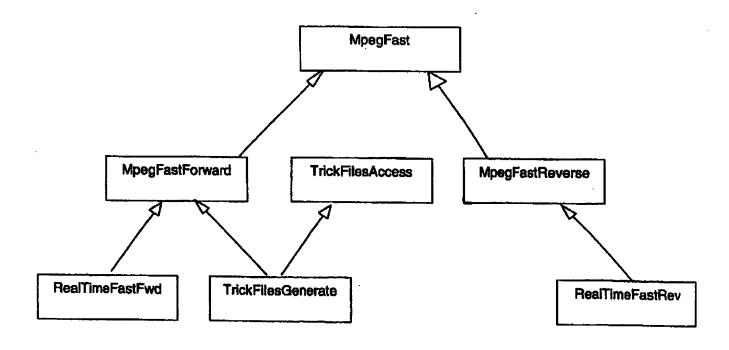
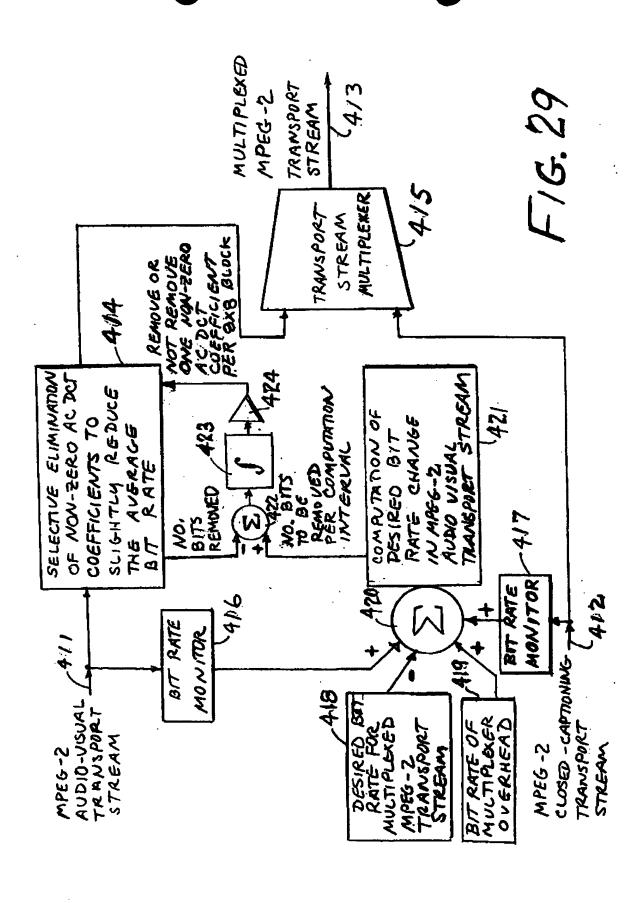


FIG. 28



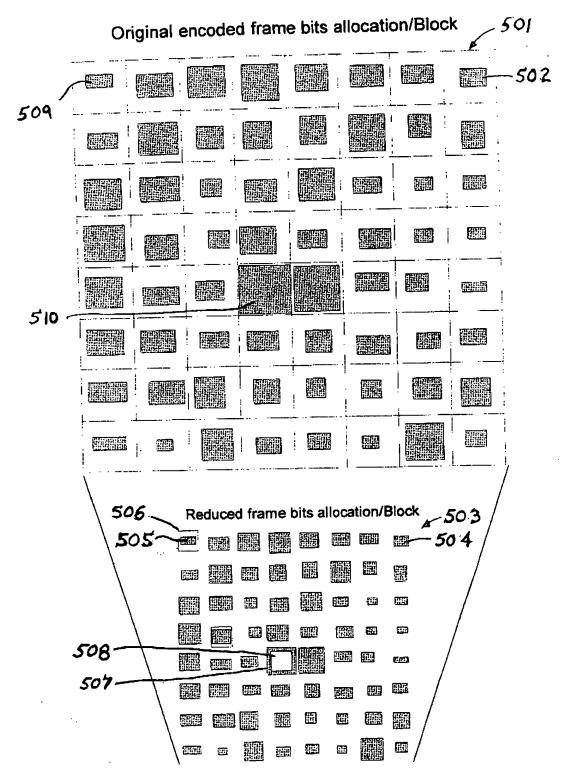
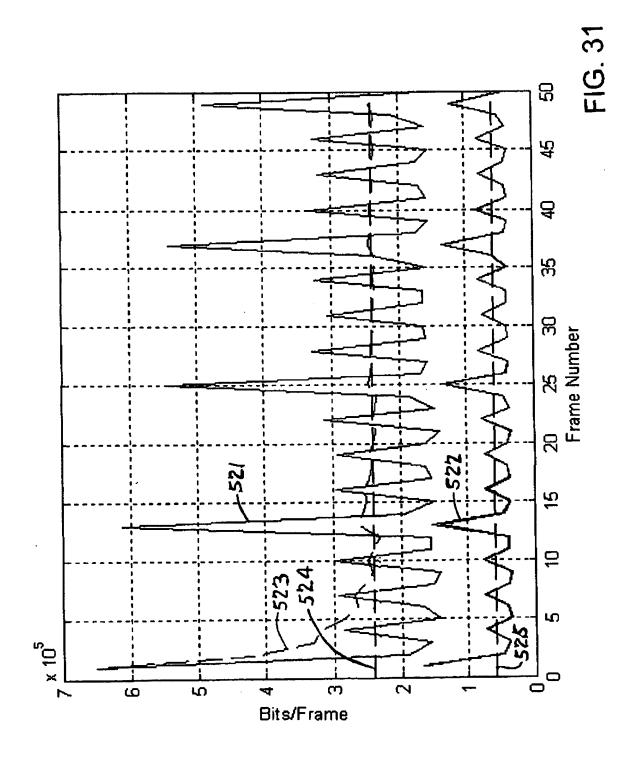
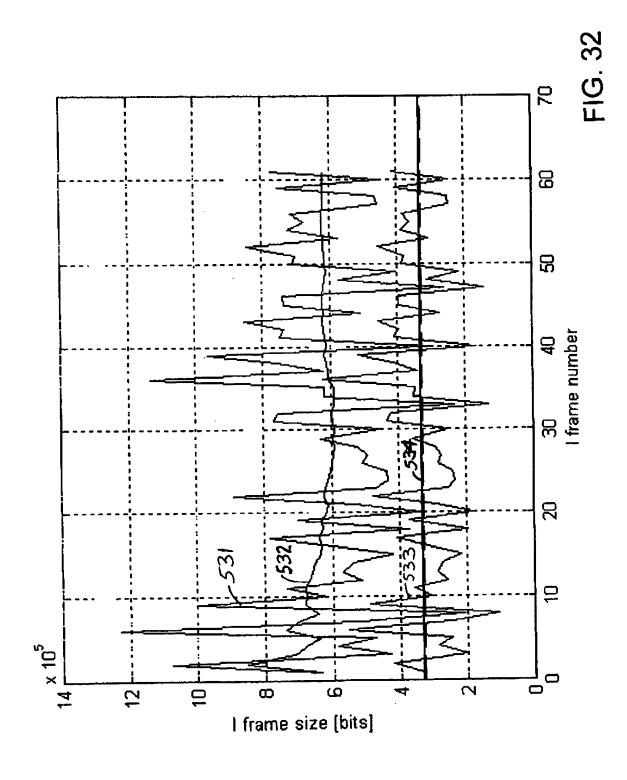
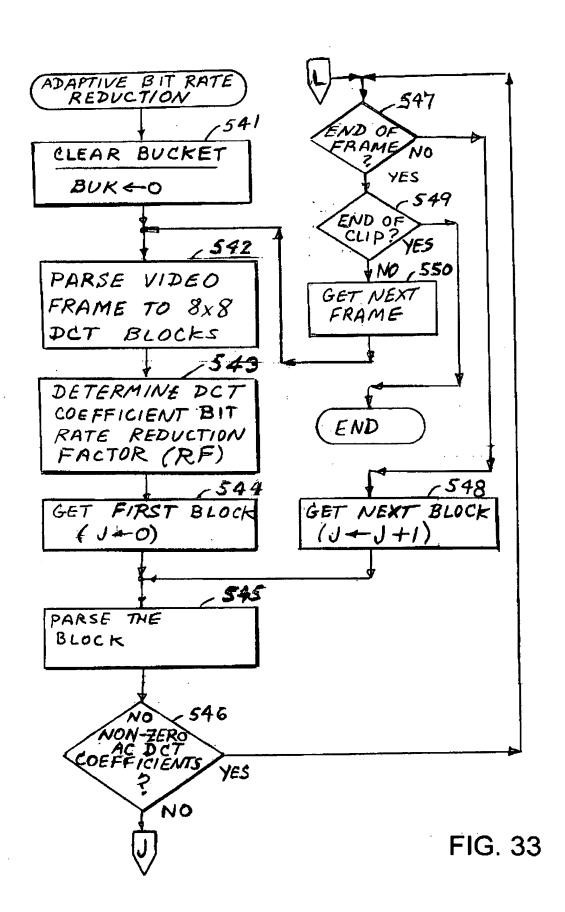
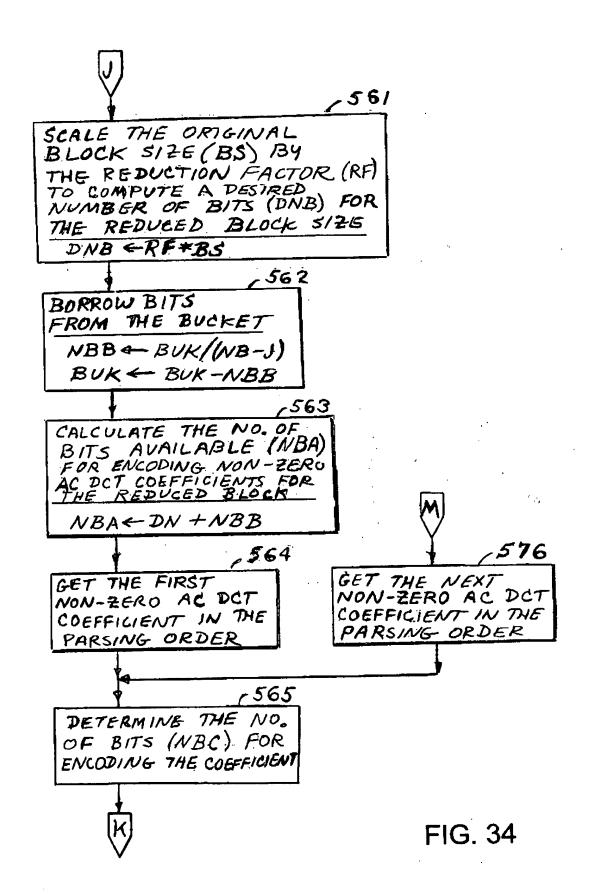


FIG. 30









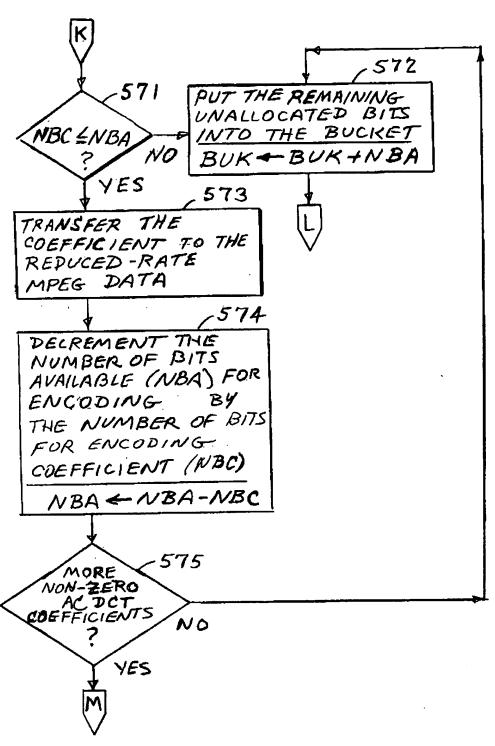


FIG. 35

DETERMINE THE COEFFICIENT BIT
RATE REDUCTION FACTOR (R.F.) FOR A
REDUCTION FROM AN MPEG SOURCE HAVING
A KNOWN CONSTANT BIT RATE

-581

DETERMINE THE OFFSET
RATE (S) OF BITS IN
THE ORIGINAL-QUALITY
MPEG SOURCE THAT ARE
NOT BITS OF THE
AC DCT COEFFICIENTS

582

COMPUTE THE COEFFICIENT
BIT RATE REDUCTION FACTOR
(RF) FROM THE KNOWN

CONSTANT BIT RATE
(BO) AND PADDING (PD) OF THE
ORIGINAL-QUALITY MPEG SOURCE,
THE OFFSET RATE (S),
AND THE DESIRED REDUCED

RATE (BR) OF THE
REDUCED -QUALITY
MPEG PATA

 $RF = \frac{BR - S}{BO - PD - S}$

RETURN

FIG. 36

DETERMINE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF) FOR A REDUCTION FROM AN MPEG SOURCE HAVING AN UNKNOWN OR VARIABLE BIT RATE 591 DETERMINE VIDEO FRAME SIZE (VS) IN BITS DETERMINE A MOVING AVERAGE VIDEO FRAME SIZE OVER THE LAST N FRAMES (VAVS) .593 CALCULATE A TARGET AVERAGE VIDEO FRAME SIZE (VRAVS) FROM AN ACCURACY RATE CONTROL FACTOR (AR), THE DESIRED REDUCED RATE (BA) OF THE REDUCED - QUALITY MPEG PATA, AND THE VIDEO FRAME RATE (FR) VRAVS = AR * BR/FR DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE AC DET COEFFICIENTS 595 COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF) RF= VRAWS/VAVS FIG. 37 RETURN

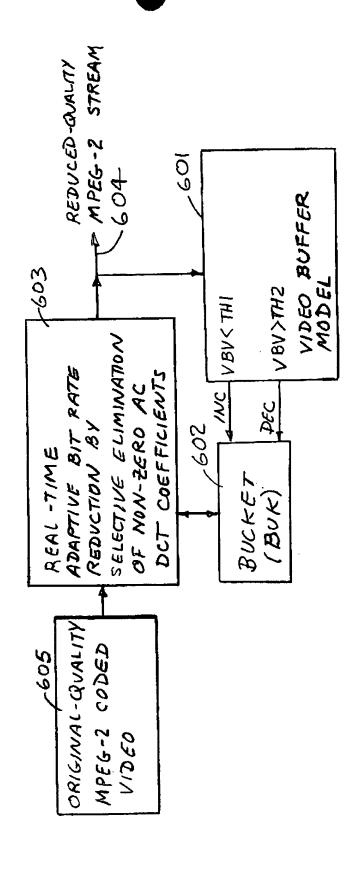


FIG. 38